BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work : Detailed Estimate for the work of Improvements and Asphalting Roads and Drains at Sahakara Nagara G Block 9th Cross Road, in Ward No. 7, Byatarayanapura, Kodigehalli Sub Division.

Estimate Cost : Rs. 9.50 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 300-1 : Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. **(Page No. 126 & Item No. 19.1)**	Cum							
	Desilting of Drains for 9th Cross		2	135.00	0.50	0.30	40.50		
	17th Main		2	142.00	0.50	0.25	35.50		
	19th Main		2	60.00	0.50	0.25	15.00		
							91.00	**56.16**	**5110.56**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	56.16							
2	KSRB 2-1.1 : Earth work in surface in Oridnary Soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines **and cables)** and removing the excavated stuff to a distance not exceeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) (2.3.1) **(Page No. 5 & Item No. 2.1)**								
	Berm Cutting for 9th Cross		2	135.00	1.20	0.10	32.40		
	17th Main		2	142.00	0.90	0.10	25.56		
	19th Main		2	60.00	0.90	0.10	10.80		
	for Missing Slabs Qty. Portion		1	58.00	0.80	0.10	4.64		
							73.40	**108.00**	**7927.20**
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	108.00							
3	KSRRB M400-17 : Providing, laying, spreading and compacting crushed stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed material of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density confirmed as per specifications. (Page No. 143 & 20.15)								
	Line and Sanitary Road Cutting		20	6.50	0.40	0.15	7.80		
	Pot Holes		22	1.50	0.90	0.15	4.46		
			24	2.00	1.20	0.15	8.64		
			28	0.75	0.60	0.15	1.89		
	Asphalt Road Edges Portion		2	135.00	0.30	0.15	12.15		
			2	142.00	0.30	0.15	12.78		
			2	60.00	0.30	0.15	5.40		
							53.12	**1061.64**	**56389.01**
	Basic Rate	983.00							
	Area Weightage @ 8%	78.64							
	Total	1061.64							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
4	Providing granolithic slabs of selected quality roughly dressed and laid in cement mortar (1:6) including fixing, curing etc., complete. 7.5 cms thick. (Page No. 24 & 5.31)	Sqm							
	Drain for Missing Slabs Qty. Portion		1	58.00	1.65		95.70		
							95.70	**305.42**	**29229.08**
	Basic Rate	282.00							
	Add Difference in cost of cement 0.02x40.00=	0.80							
		282.80							
	Area Weightage @ 8%	22.62							
	Total	305.42							
5	Providing and cleaning the existing black topped surface with brooms, soft **brushes** and finally cleaning it with gunny bags and / or compressed air, tack coat, bituminous treatment iincluding cost of materials, labour, HOM of machinery, curing etc., complete as per specifications. **(Page No. 148 & Item No.2.15)**	Sqm							
			1	200.00	6.80		1360.00		
			1	250.00	6.80		1700.00		
			1	130.00	6.80		884.00		
							3944.00	**2.27**	**8944.99**
	Basic Rate	2.10							
	Area Weightage @ 8%	0.17							
	Total	2.27							
6	Providing and applying **primar coat** on topped surfaces at 5kg per sq.m. using boiler fitted with spray jet (area of road surface) including cost of material, labour, HOM of machineries and accessories. MORTH chapter 5, Sec. 500 & P.W.D **SR 2010-11**	Sqm							
			1	200.00	6.80		1360.00		
			1	250.00	6.80		1700.00		
			1	130.00	6.80		884.00		
							3944.00	**24.62**	**97117.06**
	Basic Rate	22.80							
	Area Weightage @ 8%	1.82							
	Total	24.62							
	Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH capacity drum mix plant having an average output of 75 tonnes per hour using crushed aggregates of specified quality mixed with bituminous binder including supply of bitumen, transporting the hot mix to the site, laying with a hydrostatic paver finisher to the required grade, compacting with smooth wheeled, vibratory rollers to achieve the desired density as per specification clause No. 507 of MoRTH specifications. Mixing plant having 40-60 HMP using **(Item No. 21.20.5)**	Cum							
			1	200.00	6.80	0.025	34.00		
			1	250.00	6.80	0.025	42.50		
			1	130.00	6.80	0.025	22.10		
							98.60	**7379.38**	**727606.95**
	Basic Rate	**6832.76**							
	Area Weightage @ 8%	546.62							
	Total	7379.38							

S No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
8	of debris shall be payable at mechanical means with all lead ndloading and labour charges as per the directions of the of the work.	Cum							
	erth 1.28 Ton/Cum	Mtone	(Qty. vide Item No. 1 & 2)				164.40	82.68	13592.59
	harges upto 8.00 Kms								
	8x1.28x2=	20.48				Lead Not apply			
	oading and unloading	62.2							
		82.68							
9	nfore Charges								4082.57
	(Rupees : Nine Lakhs Fifty Thousand Only)								950000.00

CERTIFICATE

1 perso inspected the area and prepared the estimate.
2 rk pro d in this estimate is not including in any other scheme.
3 timate epared as per 2011-12 SR of PWD.
4 it up.

AE
eer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative approval for Rs. 9.50 lakhs
Rs - Nine lakhs Fifty thousand only
is accorded under head P- 2201 M:C A Current 11-12
registered as EE No: 206 / 25/07/11 Subject to conditions contained enclosed memo.
No: 206/11-12 / Dt. 25/7/11

AE/JE
EE (BTP. Div.) 25/7

Technical Sanction for Rs. 9.50 lakhs
Rs - Nine lakhs Fifty thousand only
under P- 2201 M:C A Current 11-12.
registered as EE No: 206 / 25/07/11 Subject to conditions contained enclosed memo.
No: 206/11-12 / Dt. 25/07/11

AE/JE
EE (BTP. Div.) 25/7